ARCS AERI Blackbody Calibration Check Form

I. Calibration information

This is a (check which):	Calibration	Calibration Check	Field Calibration
		X	

Date:	GMT Begin Time:	GMT End Time:	ARCS #
11/9/2001	0:54	3:53	2

Instrument / System:	TWP OMS Part Number(s):	TWP OMS Serial Number(s):
AERI	AERI-06	1AERI-06

Location (eg. PNNL, Manus):	Participant(s):	Issued by:	Signature(s):
Nauru	Glowaki		

Reference Instrument(s):	TWP OMS Part Number(s):	TWP OMS Serial Number(s):
Everest Reference Blackbody	1000	416

II. Initial Values

Sensor/Element:	Portable Black Body Reference	AERI Black Body Reading	AERI BB Diff. from Ref.	Surface Temp. Reading	Surf. Temp. Diff. from Ref.
AERI Temperatures(Celsius)	34.9	34.9+/-0.1	34.9+/-0.1	34.9+/-0.1	34.9+/-0.1

III. Final Values

Sensor/Element:	Portable Black Body Reference	AERI Black Body Reading	AERI BB Diff. from Ref.	Surface Temp. Reading	Surf. Temp. Diff. from Ref.
AERI Temperatures					

IV. Statistics (if applicable)

No. of Samples:	Std. Dev.	CF Range	Uncertanty

V. Calibration Change(if applicable)

Sensor or Parameter	Sensor Serial No.	Internal Resistance (Ohms)	Original Sensitivity (Volts/Unit)	Offset	Quadratic
	Old	Old	Old	Old	Old
	New	New	New	New	New

Document(s) Referenced:	Document(s) Updated:
PRO(AERI)-001.002	

PROBLEMS:

NOTES:
Cal form filled out based on email from John below:
So after some reading and playing with the software, I made a second attempt was made starting at
011109 03.00.30

Black body temperature @ start 37.3Cdegrees (310.45K)
36.2C @ 03:10
34.9C @ 03:22
33.9C @ 03:37
32.8C @ 03:53 Finish

Looking at the temperature graph, the readings for the test black body and hot, cold and hot bodies converted at 03:20 and at the end of the test, the delta between the three was less then 0.2 degrees.